QUESTIONS AND RESPONSES
FOR
MAINTAIN TURBINE GENERATOR #4
AT
EIELSON AIR FORCE BASE, ALASKA

SOLICITATION NO. FA5004-09-R-C012

It shall be noted to all interested parties that the following questions have been received in writing regarding the subject acquisition. Additionally, responses have been provided to the below listed questions.

As a reminder, it is the responsibility of all Interested Parties to review this website (http://www.fedbizopps.gov) frequently for any updates and/or amendments to any and all subject documents.

Question:
What is missing is the original pump data sheet for us to give (a) proposal to these two contractors. Would this information be available in the archives?

Response:
The Government was not able to locate the pump data sheet but here's some information off the pump data plates:

Worthington
2-JZ-2 Pump
SN 1617646
Driver H.P. 10, 1750 RPM
TDH 140 FT.
GPM 120

The other pump is the same with SN 1617647. The pumps are redundant. Here is some more information that could help.

--Vacuum at the top of the water in the hot well is about minus 29 Inches H.G.

--Max condensate flow is around 75,000 to 80,000 lbs/hour at 5MW.

--Condensate temperature ranges between 70 to 100 degrees, but figure for about 130 max.

--The pump suction line is 4" and is only a few feet long (<10 ft).

--Hot well water level is controlled to about 46" above finished floor (AFF), but there is a mark on the site glass frame that seems to indicate low level alarm at about 37" AFF. The pump would need to work efficiently at low level alarm conditions.

--Pump discharge and re-circ lines are 3" and the discharge line continues on to connect with the condensate lines from the other turbines and dumps into the main condensate tank which is located in another area of the basement. So, on the discharge side the pump is working against friction losses, head pressure and the other turbine condensate pumps, but there is an existing pressure gauge about 10 feet from the pump that is running today - the pressure gauge is at about 58" AFF - it reads 36 psig.